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XML and object-relational database systems[psu.edu \[PDF\]](#)

M Klettke, H Meyer - Lecture Notes in Computer Science, 2001 - Springer

... Object-relational databases allow the use of structured or nested attributes in NF 2 -relations [11]. These characteristics can be used to map **XML** documents onto databases in a more natural way. The element **hierarchy** of a ... directly mapped onto nested attributes of a **database**. ...

[Cited by 127](#) - [Related articles](#) - [BL Direct](#) - [All 19 versions](#)**ORDPATHs: Insert-friendly XML node labels**[psu.edu \[PDF\]](#)

P O'Neil, E O'Neil, S Pal, I Cseri, G Schaller, ... - Proceedings of the ..., 2004 - portal.acm.org

... tree) provide efficient means to locate **nodes** on all XPATH axes of **hierarchy** and precedence ...

7. Literature Review and Observations In [9], three labeling schemes for **XML** trees are ... document order: Global order, Local Order, which labels children of each **node** with integers ...

[Cited by 247](#) - [Related articles](#) - [All 22 versions](#)**[BOOK] XML data management: Native XML and XML-enabled database systems**

AB Chaudhri, A Rashid, R Zicari - 2003 - books.google.com

... and Doctypes 25 2.3.2 Schemas 26 2.3.3 Access to Other Databases—Tamino X-Node 28 2.3 ...

Issues 34 2.3.6 Indexing 35 2.3.7 Organization on Disk 36 2.4 Querying **XML** 37 2.4 ... 38 2.4.3

Handling of Results 38 2.4.4 Query Execution 39 2.5 Tools 39 2.5.1 **Database** Browsing 39 ...

[Cited by 122](#) - [Related articles](#) - [All 5 versions](#)**[PDF] Indexing and querying XML data for regular path expressions**[psu.edu \[PDF\]](#)

Q Li, B Moon - Proceedings of the International Conference on Very ..., 2001 - Citeseer

... inefficient for processing regular path expression queries, because the overhead of traversing the **hierarchy** of **XML** ... tree structure, where **nodes** represent elements, attributes and text data, and parent-child **node** pairs represent nesting between **XML** data components. ...

[Cited by 762](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 55 versions](#)**Native XML support in DB2 universal database**[psu.edu \[PDF\]](#)

M Nicola, B Van der Linden - ... of the 31st international conference on ..., 2005 - portal.acm.org

... For the sample document in Figure 3, this **hierarchy** looks similar to the document tree in the ... DB2 index manager has been enhanced to explicitly handle special values from the **XML** type system ... If a **node** matches the xmlpattern but fails to cast to the specified index type, then ...

[Cited by 62](#) - [Related articles](#) - [BL Direct](#) - [All 15 versions](#)

ROX: relational over **XML**

[psu.edu](#) [PDF]

A Halverson, V Josifovski, G Lohman, H ... - Proceedings of the ..., 2004 - portal.acm.org

... However, if our **XML** documents have several levels of **hierarchy**, queries referencing only data at ... to the CREATE NICKNAME statement to hand back to the **database** engine. ... To implement the PRIMARY_KEY column option, we used an internally generated **XML node** identifier. ...

[Cited by 30](#) - [Related articles](#) - [BL Direct](#) - [All 7 versions](#)

XML data stores: Emerging practices

A Vakali, B Catania, A ... - IEEE Internet ..., 2005 - doi.ieeecomputersociety.org

... describes each element's attributes and (optionally) attribute values; it might also describe element **hierarchies** and occurrences ... 11 Timber transforms the **XML** document into a parse tree, which it stores as ... a logical tree to a physical one using one of three **node** types: aggregate ...

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[PDF] ... Zürich at INEX: Flexible information retrieval from **XML** with PowerDB-**XML**

[psu.edu](#) [PDF]

T Grabs, HJ Schek - Fuhr et al.[78] - Citeseer

... Path expressions have the syntax /step/step/. . . /step. Starting at the root **node**, each step moves the current context through the **XML** element **hierarchy**. Each step has the form AxisSpec::Node-Test[Predicate] and its evaluation depends on the current context. ...

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LDAP: Framework, practices, and trends

V Koutsonikola, A Vakali - IEEE Internet Computing, 2004 - doi.ieeecomputersociety.org

... Another approach 5 maps **XML** DOM **nodes** to LDAP entries using LDAP object class definitions for **XML nodes**. ... The XMLDAP gateway (<http://xml.coverpages.org> ... times depend on several factors, including: query filtering; where the search starts in the data **hierarchy**; the number ...

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XQuery implementation in a relational **database** system

[psu.edu](#) [PDF]

S Pal, I Cseri, O Seeliger, M Rys, G Schaller, ... - Proceedings of the ..., 2005 - portal.acm.org

... to the **XML** schema require a significant amount of maintenance of the **database** schema and ... of the **XML** instance, such as relative order of **nodes** and document **hierarchy**, are captured ... and the Path_ID column that contains the reversed, encoded path from an **XML node** to the ...

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